## What is claimed is:

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1. An apparatus for transmitting multimedia data to a set-top box for distribution to a headend of a cable television, the apparatus comprising:

means for inputting a signal containing multimedia data; means for compressing the multimedia data;

means for packetizing the compressed multimedia data with a header including at least a source identifier and an order identifier; and

means for outputting the packetized multimedia data to a data port of a set-top box.

further comprising capture means for capturing the input signal containing multimedia data.

- 2. The apparatus according to claim 1, wherein the capture means is an analog to digital converter.
- 3. The apparatus according to claim 1, wherein the capture means changes the format of the signal.
  - 4. The apparatus according to claim 1, wherein the means for compression performs MPEG encoding.

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5. An apparatus for facilitating video conferencing for use with a cable television network having a headend, the apparatus comprising:

an input for receiving a signal having multimedia data; a demodulator for demodulating the signal;

an analog to digital converter for digitizing the multimedia data; an output module for facilitating the transport of the digitized multimedia data to the headend.

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- 6. An apparatus according to claim 5, further comprising:
- an encoder operably coupled to the output module for compressing the digitized multimedia data prior to receipt by the headend.
- 7. An apparatus for receiving a multimedia data signal and transmitting a compressed digital signal to a set-top box of a cable television network, the apparatus comprising:

an input for receiving the multimedia data signal;

a capture module for formatting the multimedia data signal creating a formatted digital signal;

an encoder for compressing the formatted digital signal creating a compressed digital signal;

a packetization module for packetizing the compressed digital signal and including a header identifying packet order and source; and

an output capable of being operably coupled to the set-top box for transmitting the packets to a headend of the cable television network.

- 8. The apparatus according to claim 7, wherein the packetizing module attaches a real time protocol header to each packet.
- 9. The apparatus according to claim 7, wherein the multimedia data signal is raw data from a charged coupled device.
- 10. The apparatus according to claim 7, wherein the capture module formats the multimedia data signal into a standard YUV format.
- 11. The apparatus according to claim 7 wherein the encoder employs MPEG compression algorithms.
- 12. The apparatus according to claim 7 wherein the packetization module packetizes the signal according to a real-time protocol.
  - 13. The apparatus according to claim 7 wherein the real-time protocol is RTP.

14. A system for multi-media transmission of data in a cable television network, the system for multi-media transmission comprising:

a multimedia device; and

a set-top box

wherein the multimedia device has an input port for receiving a multimedia signal and an output port for sending to the set-top box a packetized compressed digital representation of the multimedia signal; wherein the set-top box receives the packetized compressed digital representation of the multimedia signal and forwards the signal to a headend of the cable television network.

15. The system according to claim 14, wherein the multimedia device packetizes the multimedia signal wherein the header information of each packet only includes a source identifier and an order identifier.

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- 16. The system according to claim 15 wherein the multimedia device further includes an action identifier for indicating an interactive session type.
- 17. The system according to claim 15 wherein the set-top box receives an interrupt from the multimedia device prior to receiving the multimedia signal.
  - 18. The system according to claim 15 wherein the set-top box does not add header information prior to sending the multimedia signal.
  - 19. A system for multimedia transmission of data in a cable television network, the system comprising:

a set-top box having a data port and a two-way communication cable port; a multimedia device for receiving multimedia data signal and providing to the data port of the set-top box a compressed packetized multimedia data signal;

a headend operably coupled to the cable port of the set-top box for receiving, processing, and forwarding to a destination at least the multimedia data contained within the compressed packetized multimedia data signal.

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- 20. The system according to claim 19, wherein based upon an input signal to the set-top box an interactive session is effectuated between the set-top box and the headend.
- 21. The system according to claim 20, wherein the interactive session may be video conferencing.
  - 22. The system according to claim 21, wherein the headend receives destination multimedia data in a signal from the destination, the headend directs the destination multimedia data to the set-top box wherein the destination multimedia data is decompressed and provided to a television for display.
  - 23. The system according to claim 19, wherein the multimedia device packetizes the multimedia data signal with a header containing a set-top box identifier and packet order identifier.

24. The system according to claim 23 wherein the destination multimedia data is sent to the set-top box based upon the set-top box identifier in the multimedia data signal.

- 25. The system according to claim 23 wherein the headend receives a destination address for the compressed packetized multimedia data signal originating at the set-top box.
- 26. The apparatus according to claim 6, further comprising a packetizer which creates packets from the compressed digitized multimedia data, wherein the packets do not provide a destination address and include origination information.
  - 27. The apparatus according to claim 7 wherein the packetization module includes a header to each packet which does not include a destination address.
- 28. The system according to claim 14 wherein the multimedia device packetizes the multimedia signal wherein the header information does not include a destination address.